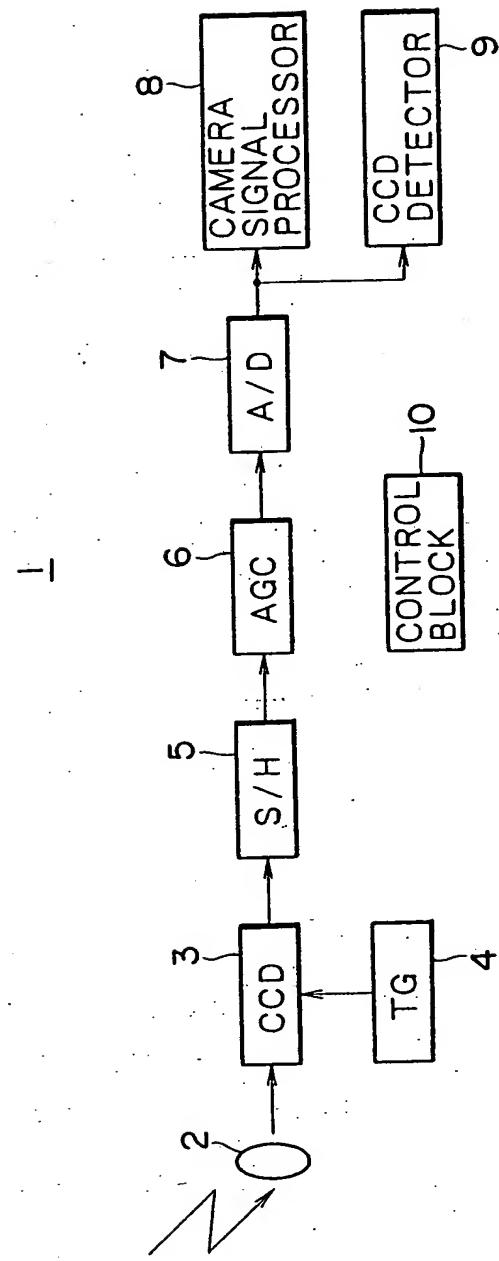
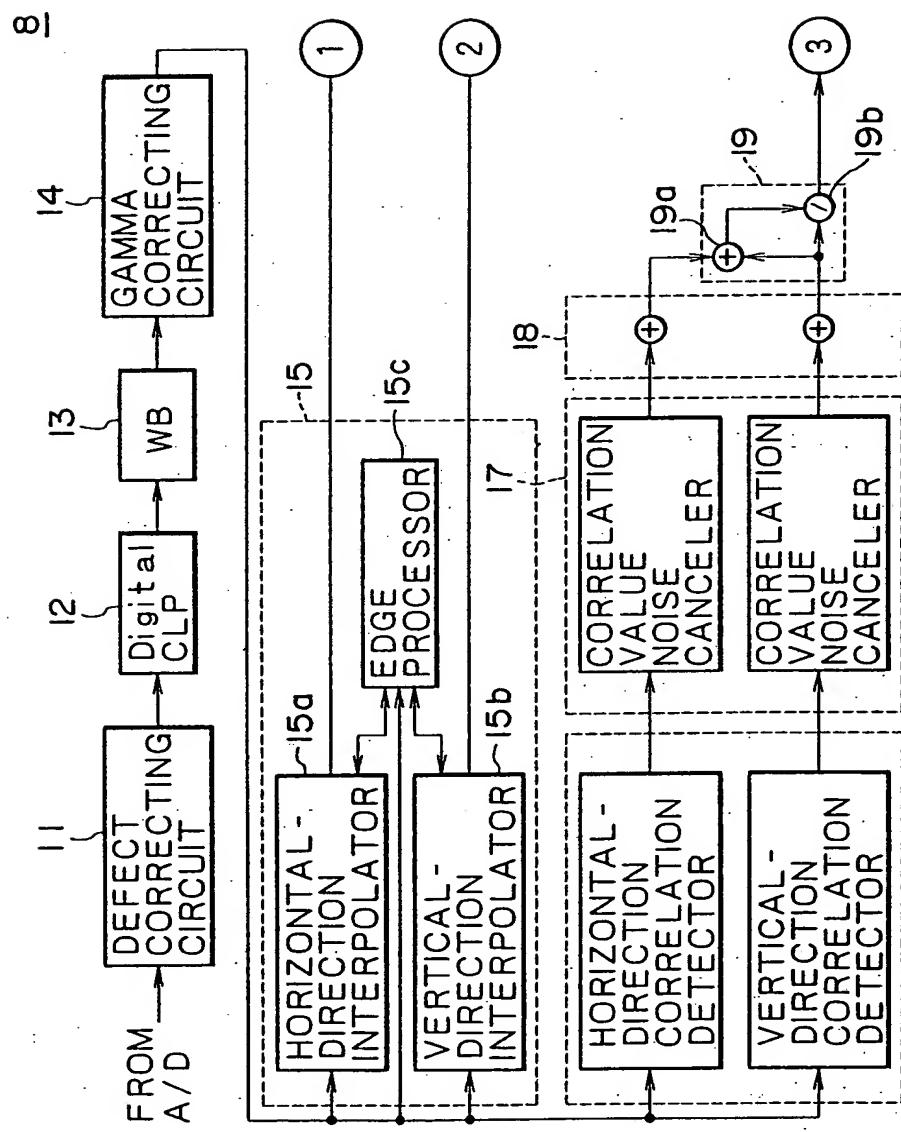


FIG. 1



CONSTITUTION OF CAMERA APPARATUS

FIG. 2A



16 CONSTITUTION OF SIGNAL PROCESSING CIRCUIT

FIG. 2B

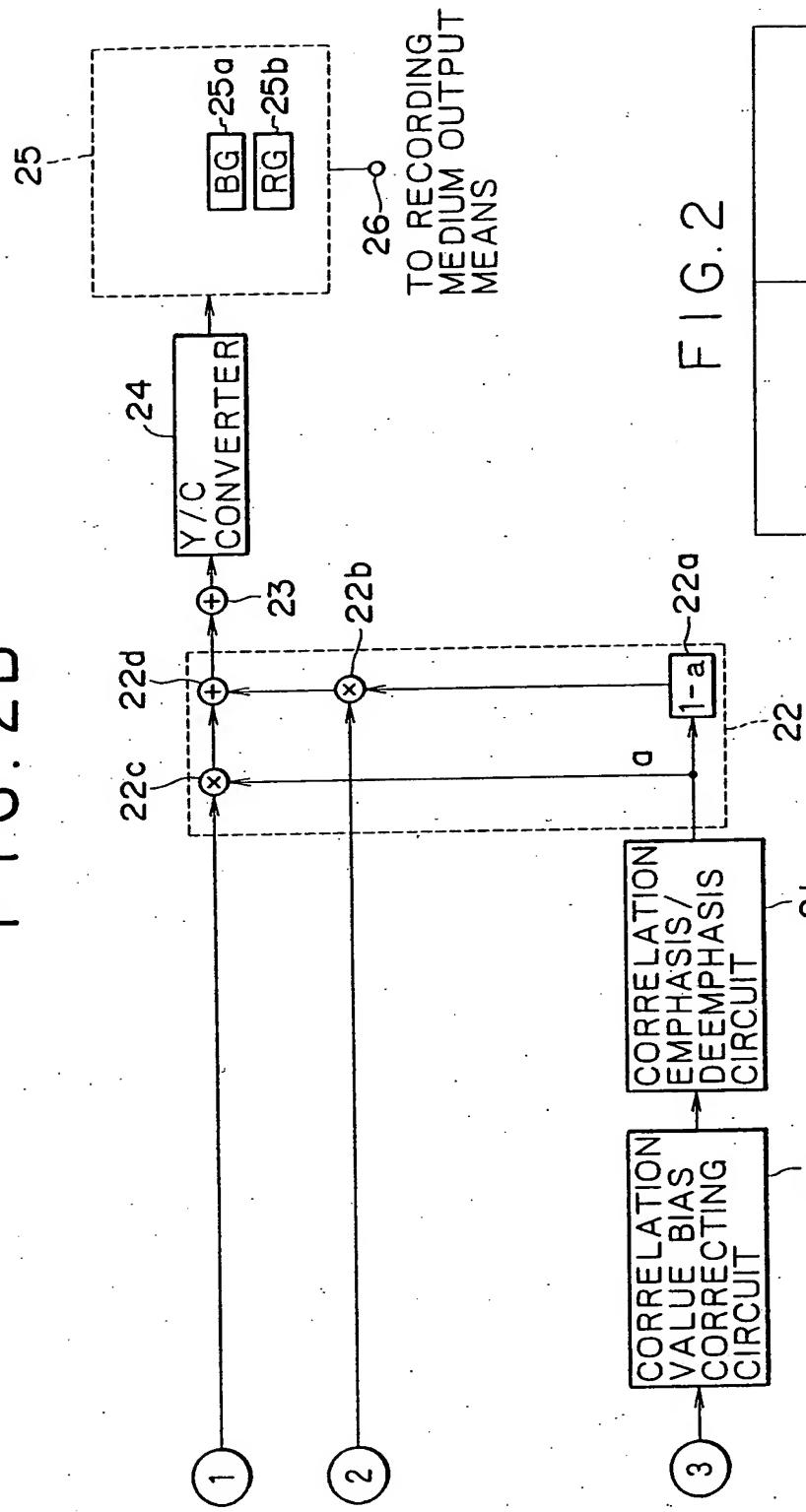


FIG. 2

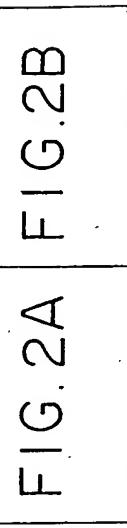
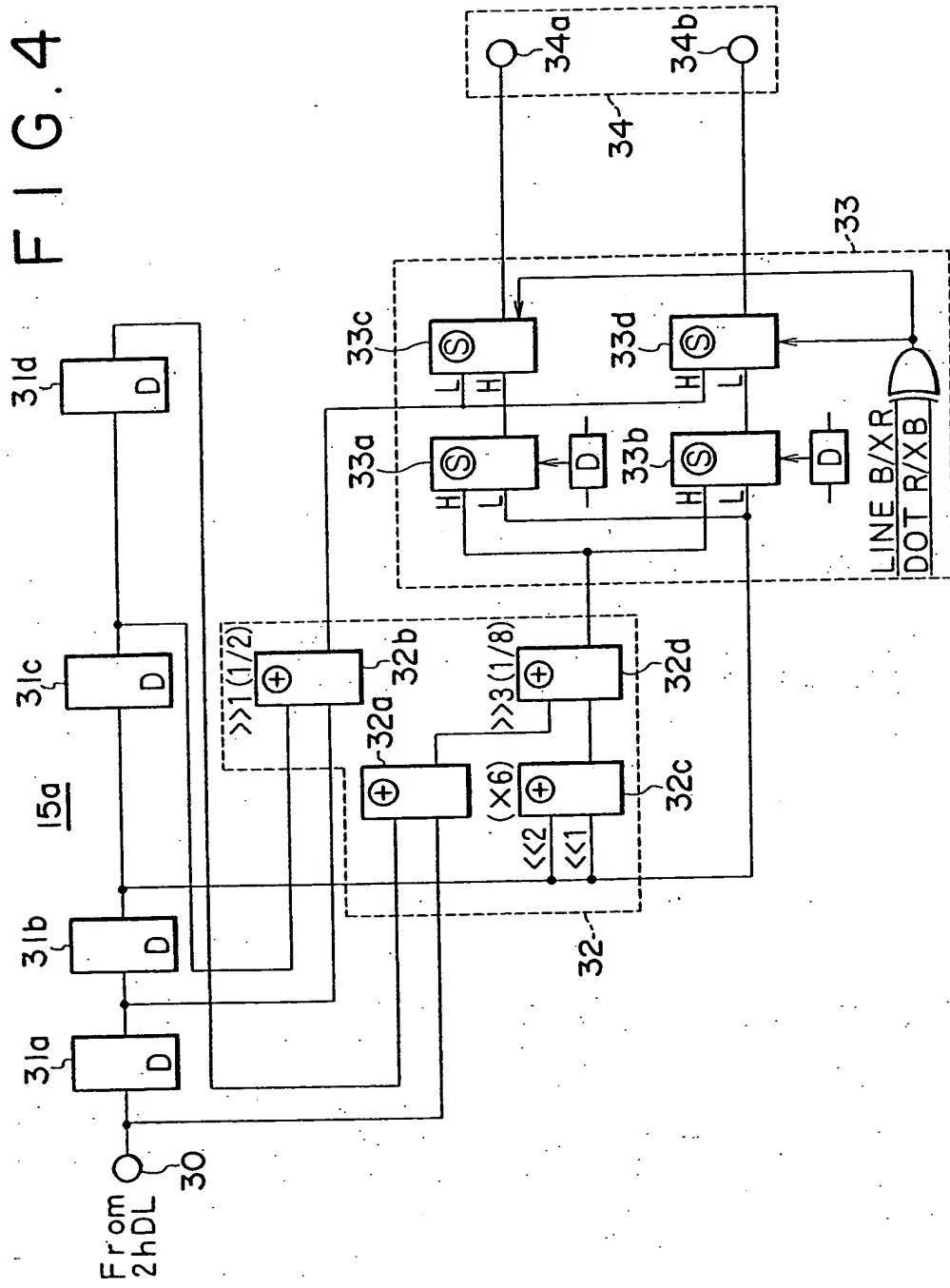


FIG. 3

0h	G 00	R 01	G 02	R 03	G 04	
1h	B 10	G 11	B 12	G 13	B 14	
2h	G 20	R 21	G 22	R 23	G 24	
3h	B 30	G 31	B 32	G 33	B 34	
4h	G 40	R 41	G 42	R 43	G 44	

ARRANGEMENT OF PIXEL DATA

FIG. 4



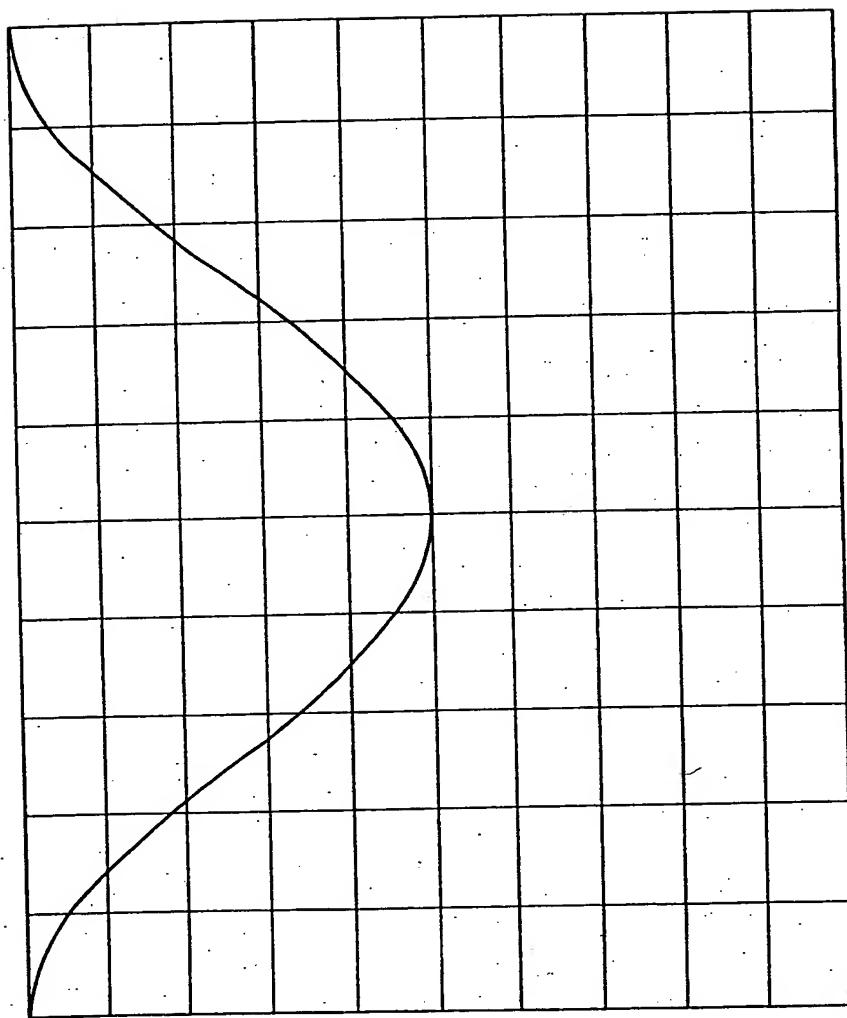
CONSTITUTION OF HORIZONTAL-DIRECTION INTERPOLATOR

FIG. 5

G 00		G 02		G 04	
	G 11		G 13		
G 20		G 22		G 24	
	G 31		G 33		
G 40		G 42		G 44	

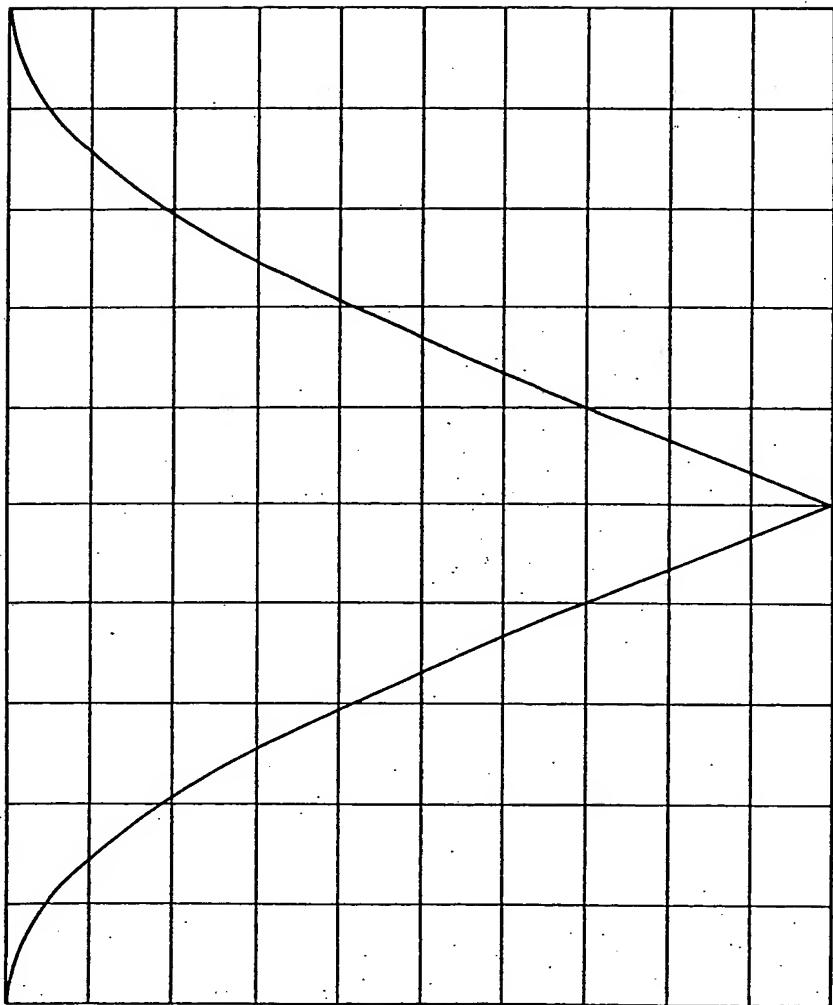
ARRANGEMENT OF PIXEL DATA

FIG. 6



FREQUENCY CHARACTERISTIC OF LPF

FIG. 7



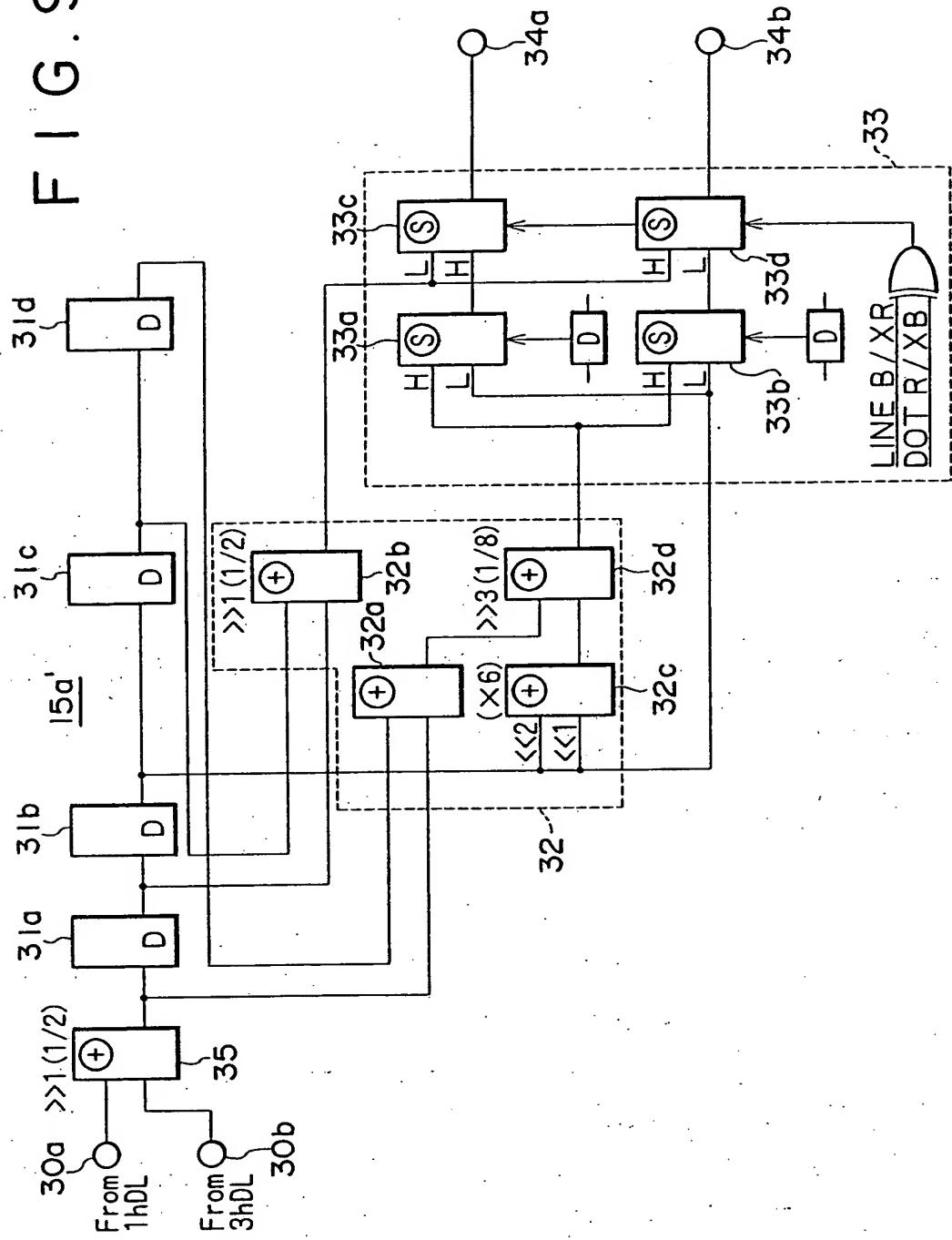
FREQUENCY CHARACTERISTIC OF LPF

FIG. 8

G 00'	G 01'	G 02'	G 03'	G 04'	
G 10'	G 11'	G 12'	G 13'	G 14'	
G 20'	G 21'	G 22'	G 23'	G 24'	
G 30'	G 31'	G 32'	G 33'	G 34'	
G 40'	G 41'	G 42'	G 43'	G 44'	

INTERPOLATED PIXEL DATA

F I G. 9



CONSTITUTION OF HORIZONTAL-DIRECTION INTERPOLATOR

FIG. 10

0 h					
1 h	B 10		B 12		B 14
2 h					
3 h	B 30		B 32		B 34
4 h					

ARRANGEMENT OF PIXEL DATA

FIG. 11

B 10		B 12		B 14	
B' 20		B' 22		B' 24	
B 30		B 32		B 34	

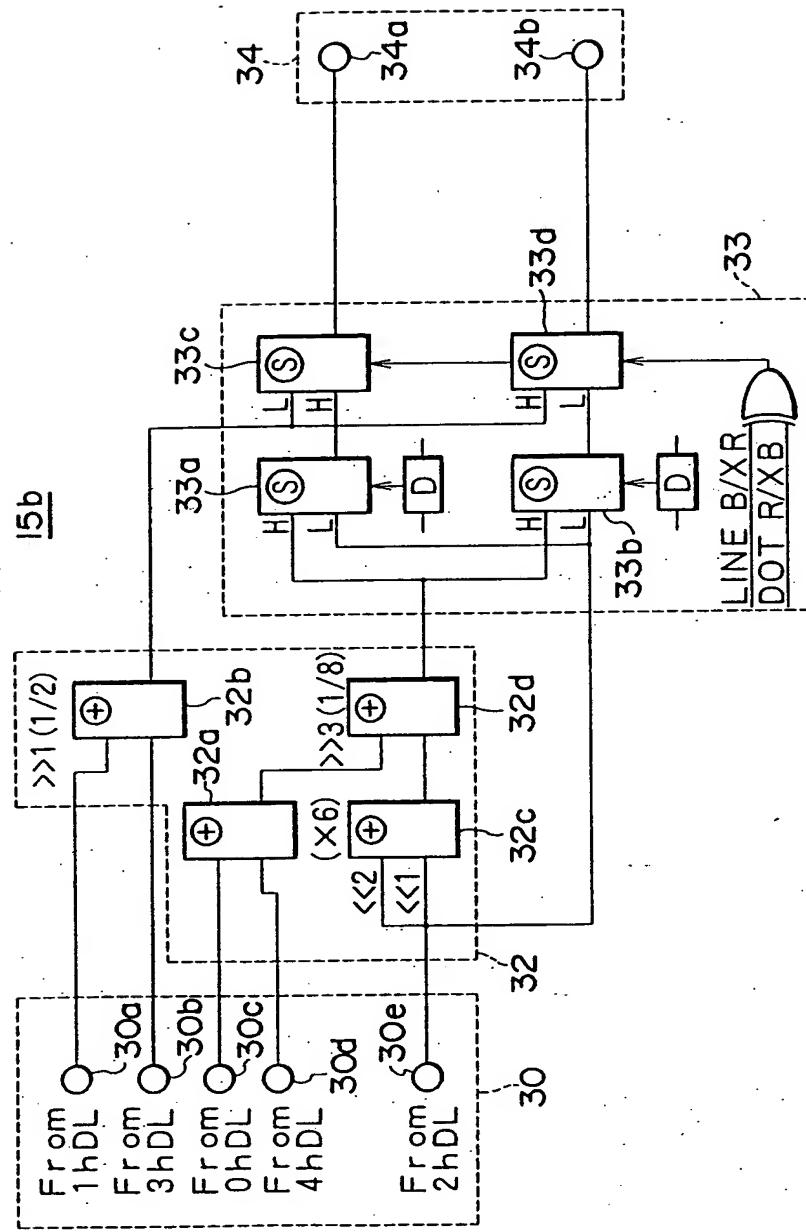
ARRANGEMENT OF PIXEL DATA

FIG. 12

B 00'	B 01'	B 02'	B 03'	B 04'	
B 10'	B 11'	B 12'	B 13'	B 14'	
B 20'	B 21'	B 22'	B 23'	B 24'	
B 30'	B 31'	B 32'	B 33'	B 34'	

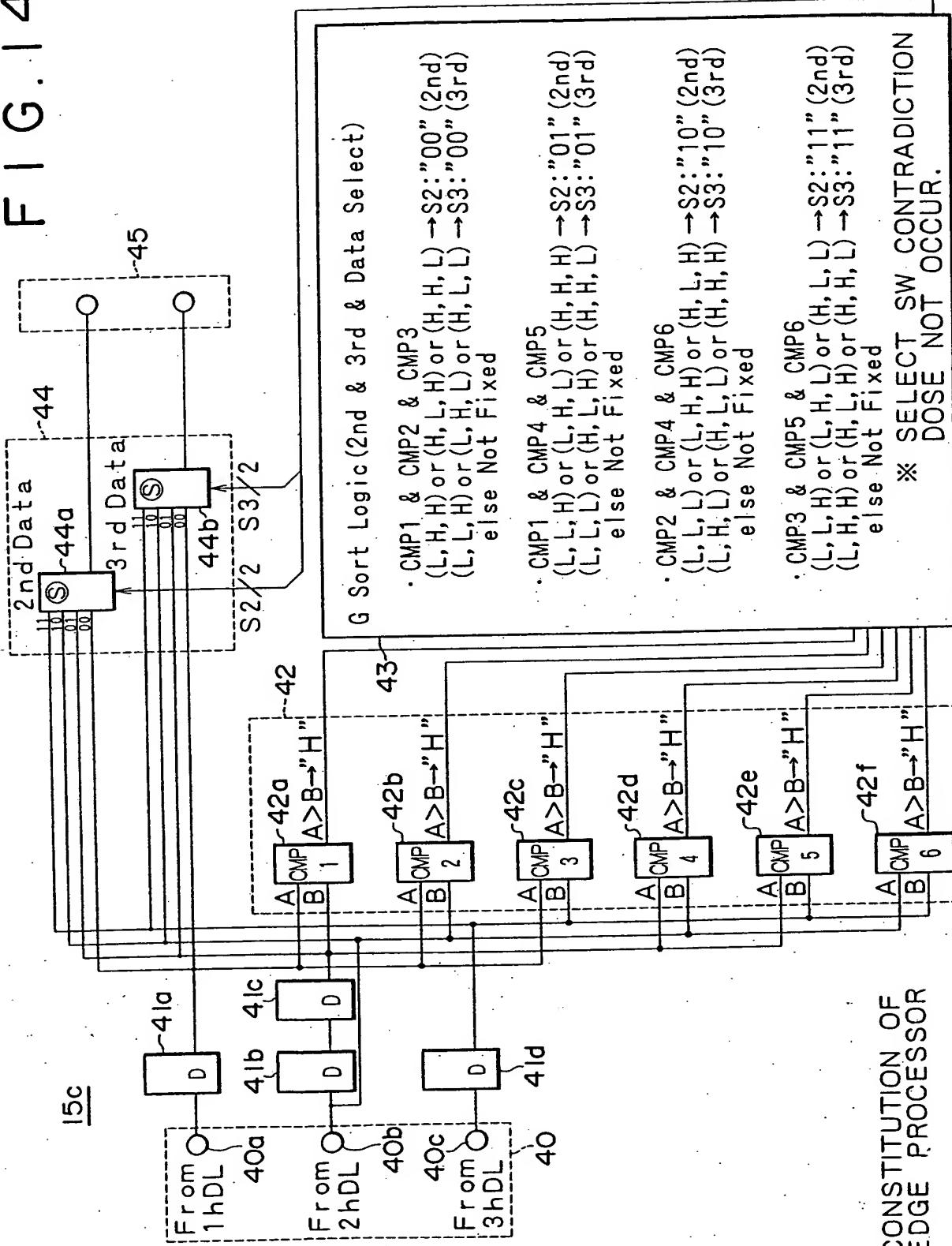
INTERPOLATED PIXEL DATA

FIG. 13



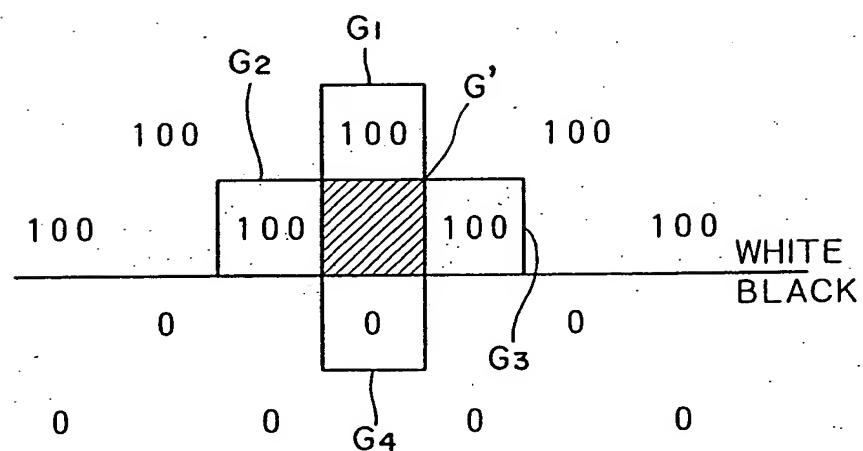
CONSTITUTION OF VERTICAL-DIRECTION INTERPOLATOR

FIG. 14



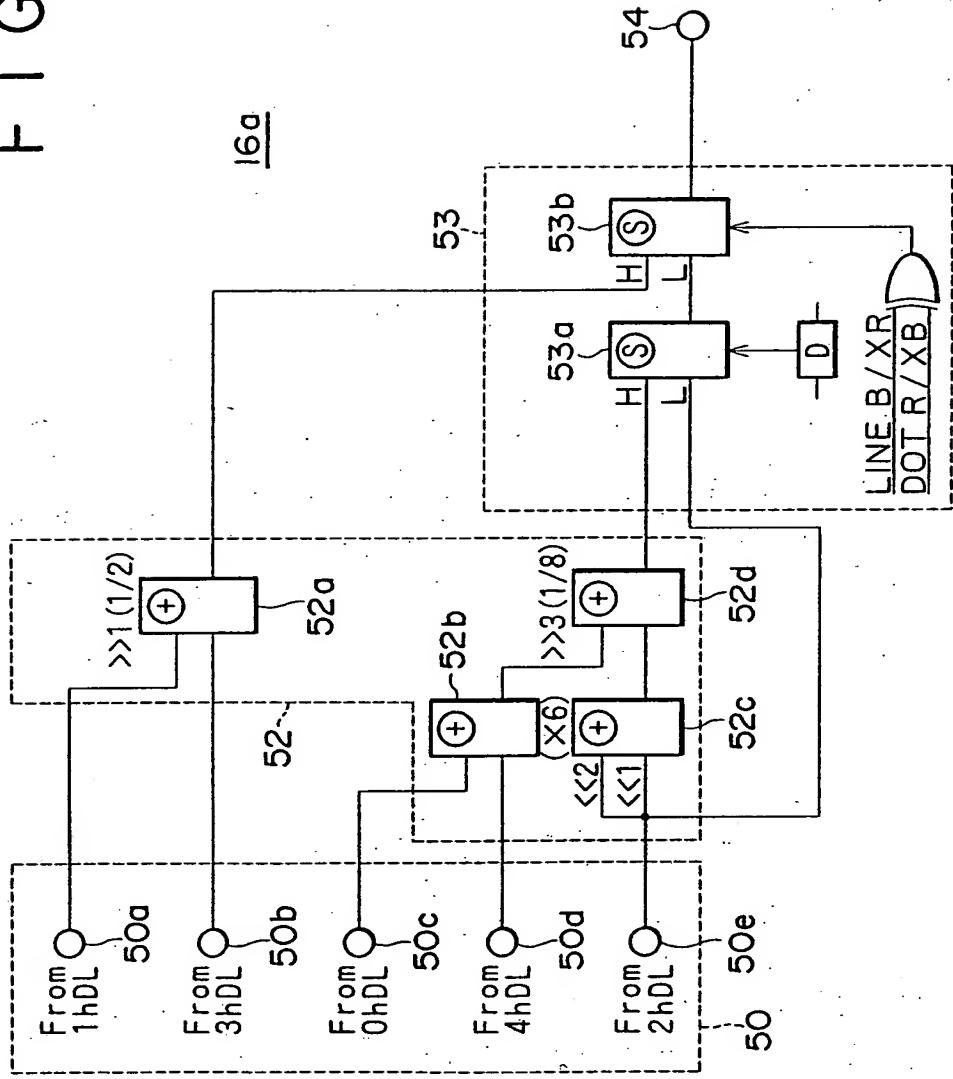
CONSTITUTION OF
EDGE PROCESSOR

FIG. 15



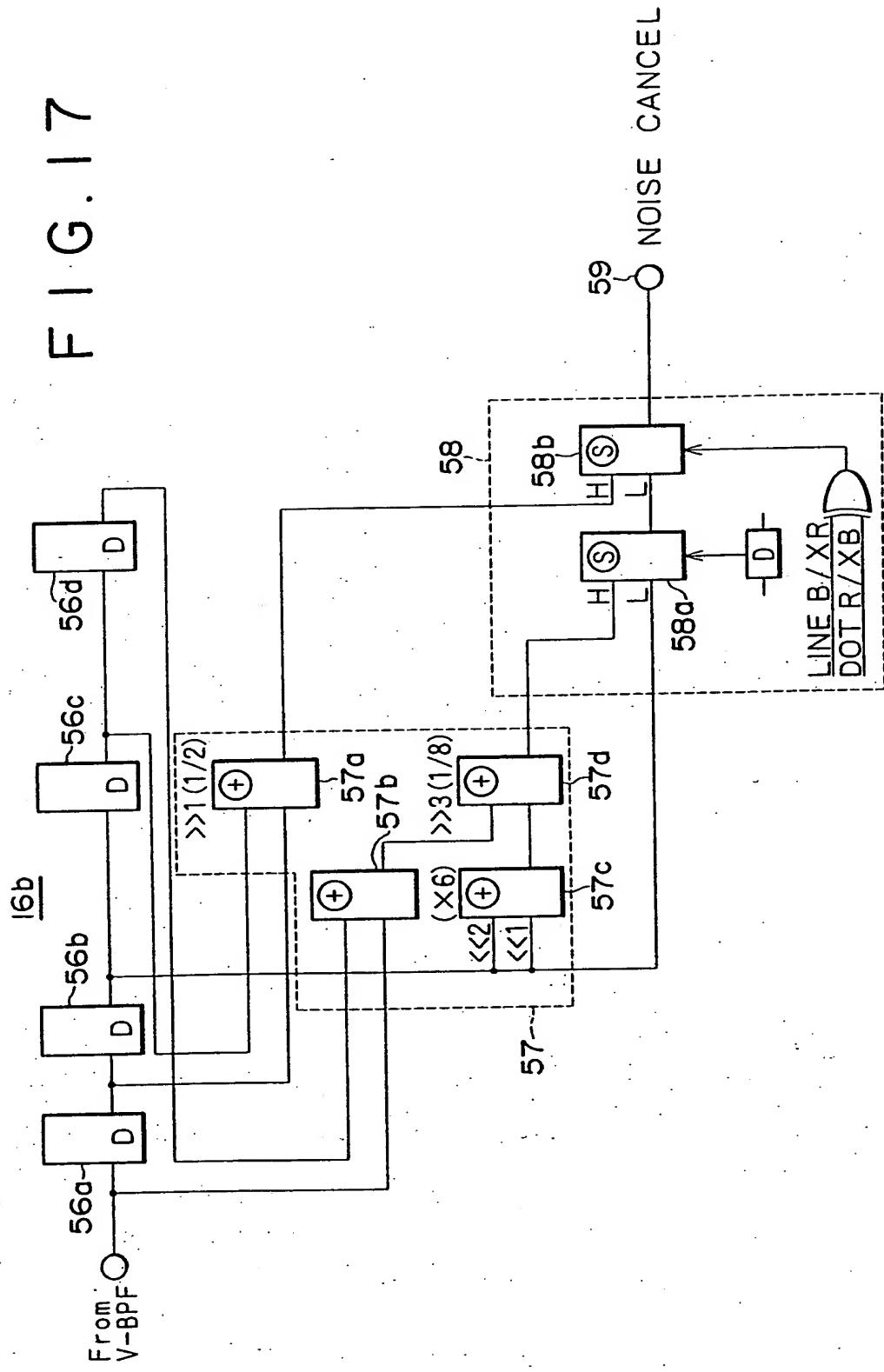
EXAMPLE OF EDGE PROCESSING

FIG. 16



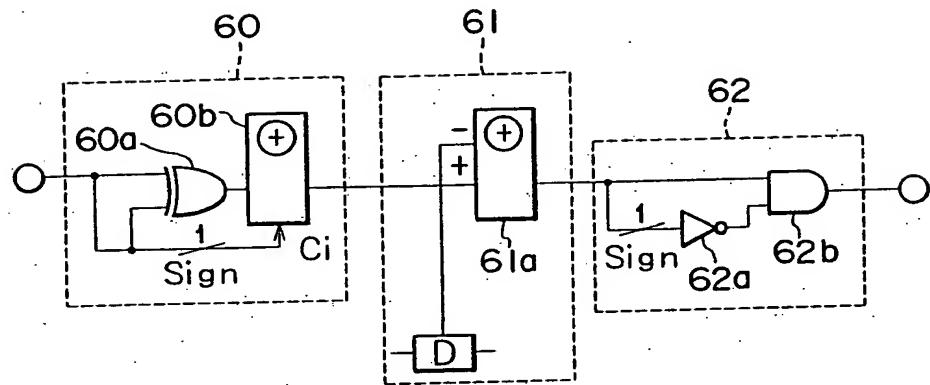
CONSTITUTION OF HORIZONTAL-DIRECTION CORRELATION DETECTOR

E - G . - 1 7



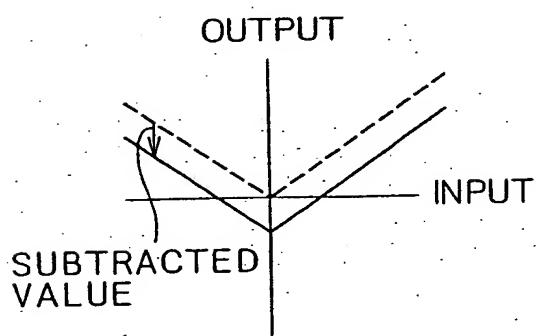
CONSTITUTION OF VERTICAL-DIRECTION CORRELATION DETECTOR

F I G . 1 8

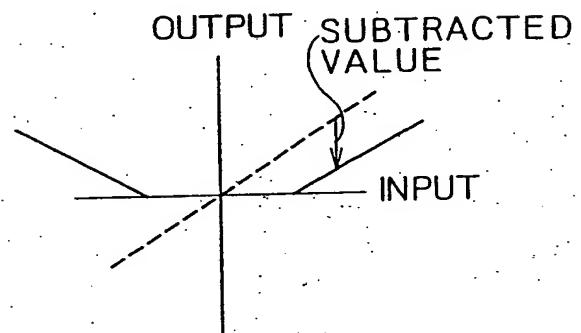


CONSTITUTION OF NOISE CANCELER

F I G . 1 9 A



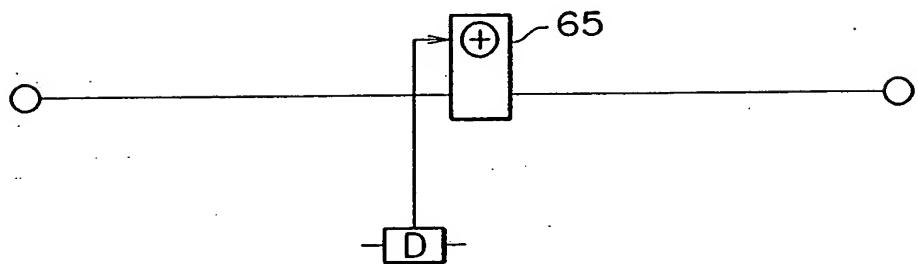
F I G . 1 9 B



PROCESSING OF CORRELATION VALUE

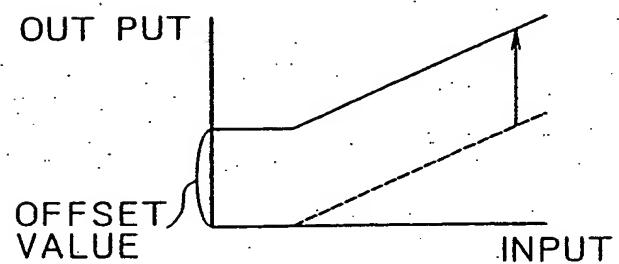
FIG. 20

18a, 18b



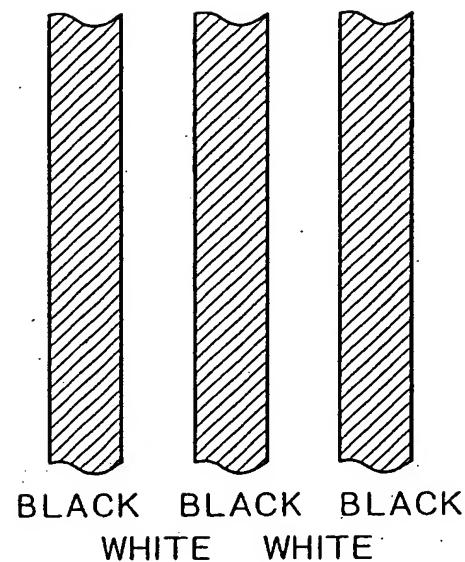
CONSTITUTION OF OFFSET CIRCUIT

FIG. 21



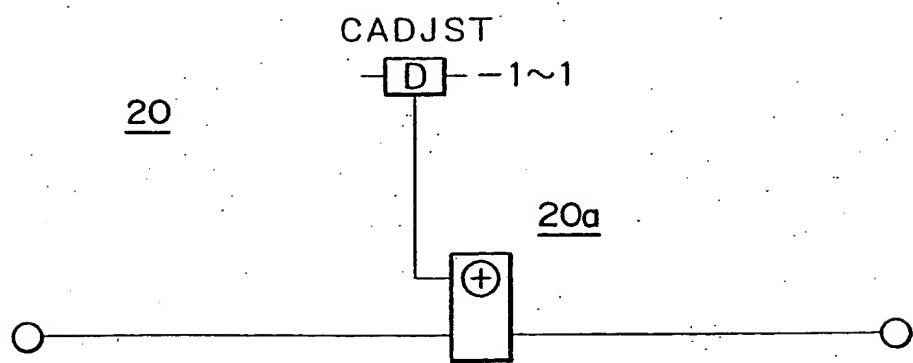
INPUT/OUTPUT CHARACTERISTIC

F I G. 22



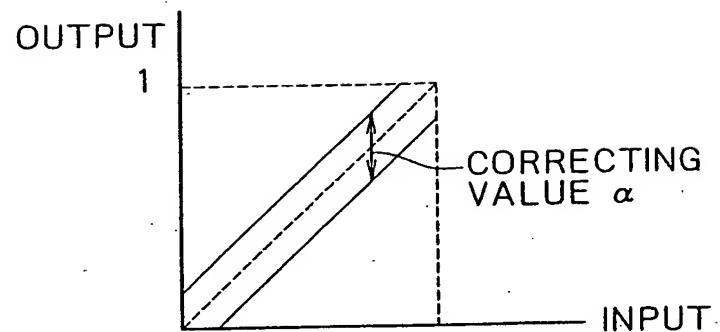
EXAMPLE OF IMAGE DATA

F I G. 23



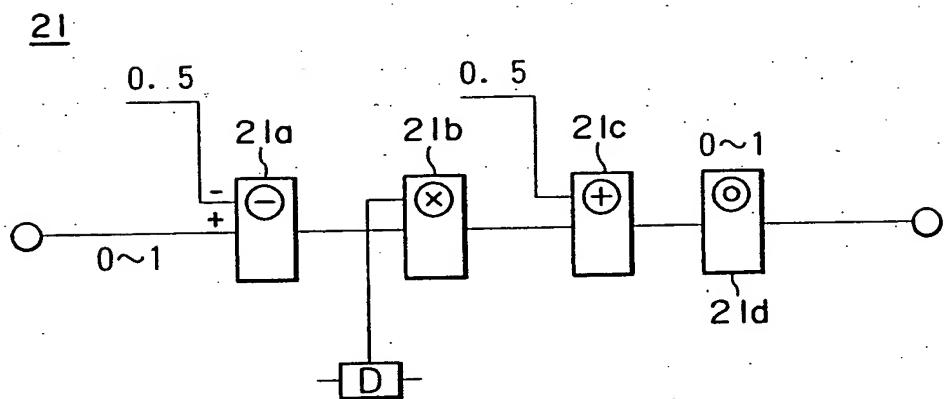
CONSTITUTION OF BIAS CORRECTING CIRCUIT

FIG.24



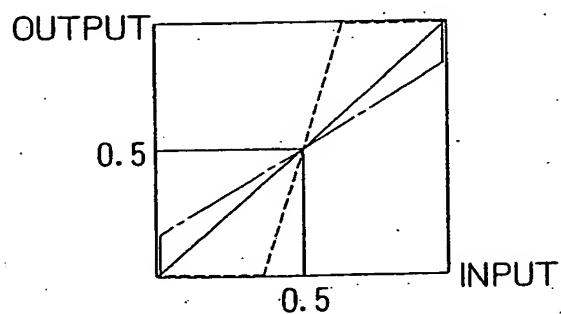
INPUT/OUTPUT CHARACTERISTIC

FIG.25



CONSTITUTION OF EMPHASIS/DEEMPHASIS CIRCUIT

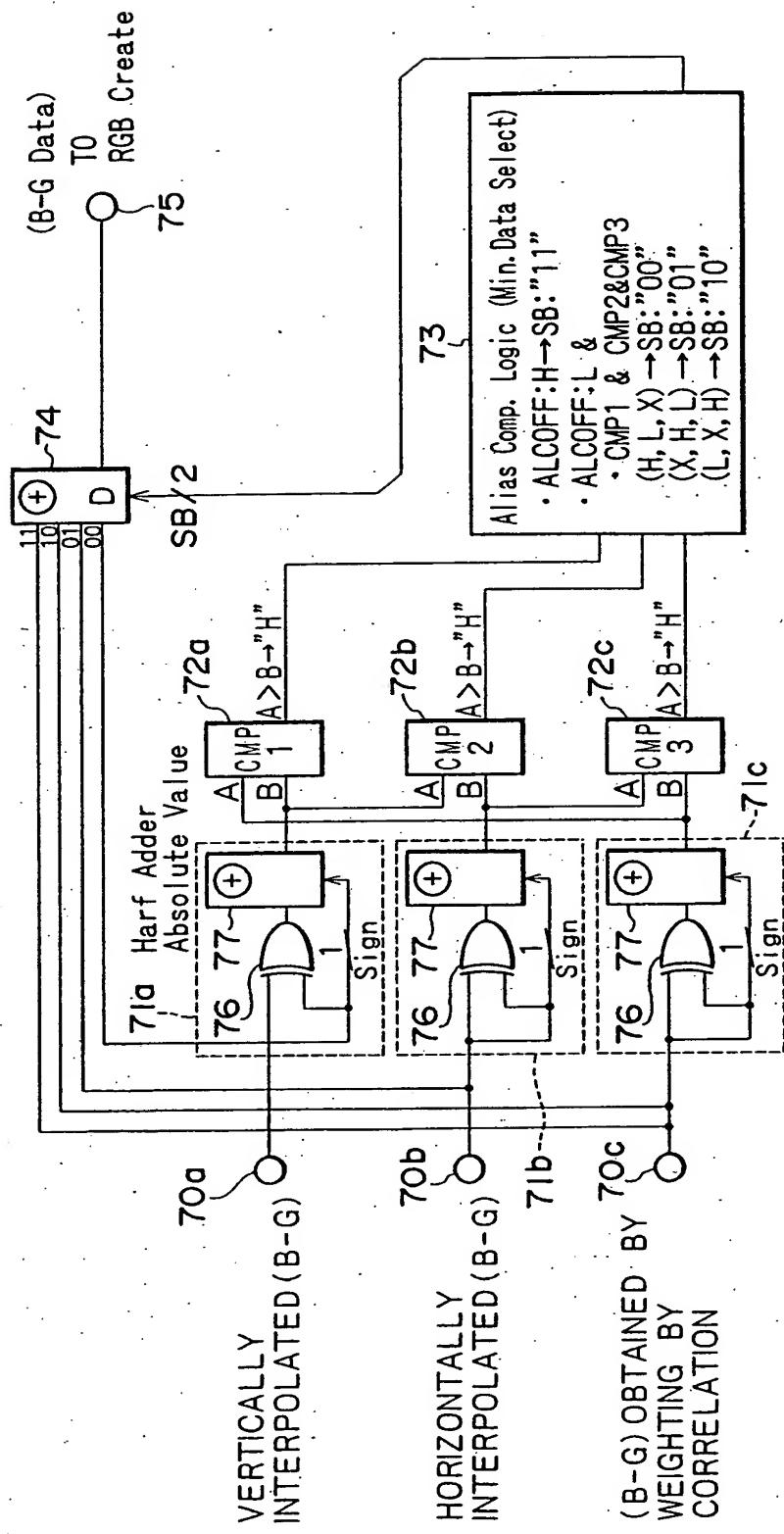
FIG.26



INPUT/OUTPUT CHARACTERISTIC

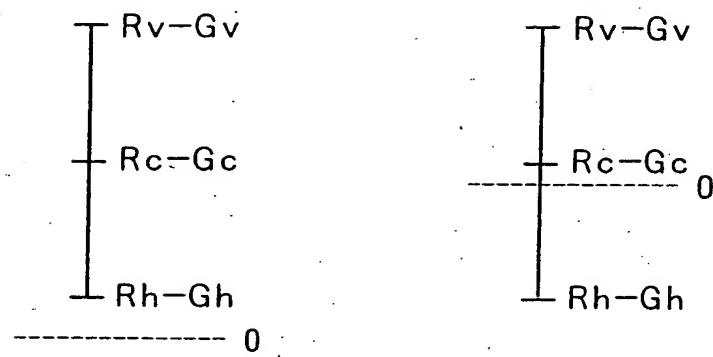
FIG. 27

250



CONSTITUTION OF COLOR-DIFFERENCE SIGNAL SUPPRESSER

FIG. 28A FIG. 28B



EXAMPLE OF SELECTING MINIMUM
INTERPOLATED PIXEL DATA

FIG. 29A FIG. 29B

Two 3x3 pixel grids showing different arrangements. Grid A (left) has columns labeled 'G' and 'R' and rows labeled 'B' and 'G'. Grid B (right) has columns labeled 'G' and 'Ye' and rows labeled 'Cy' and 'G'.

G	R	
B	G	

G	Ye	
Cy	G	

ARRANGEMENT OF PIXEL DATA